

IN THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

Claim 1 (currently amended): A web-fed rotary printing press, comprising:

at least one press cylinder for printing a paper web conveyed at a controllable first tensile stress;

a dryer disposed downstream of said press cylinder, said dryer guiding the web along a path;

a pull roll disposed downstream of said dryer for conveying the paper web along said path under a second tensile stress, ~~said second tensile stress being equal to or less than 10% of said first tensile stress;~~

a first apparatus disposed downstream of said press cylinder and upstream of said dryer for separating the paper web from said press cylinder during a normal printing operation, said separating of the paper web from said press cylinder being decoupled from the conveying of said paper web along said path; and

a second apparatus for driving said pull roll, ~~said second apparatus driving said pull roll at a controllable rotational speed which sets said second tensile stress being reduced as compared with a rotational speed of said press cylinder.~~

Claim 2 (currently amended). The web-fed rotary printing press according to claim 1, ~~wherein said second apparatus for driving said pull roll has a third apparatus for controlling the rotational speed of said pull roll and of said press cylinder, said third apparatus controls the rotational speed of said pull roll to a value below a value of the rotational speed of said press cylinder~~further comprising a controller coupled to said at least one press cylinder and to said second apparatus, said controller setting said first tensile stress and said second tensile stress such that said second tensile stress is 10% or less than said first tensile stress.

Claim 3 (previously presented): The web-fed rotary printing press according to claim 1, wherein said first apparatus for separating the paper web from said press cylinder separates the paper web from said press cylinder without contact.

Claim 4 (previously presented): The web-fed rotary printing press according to claim 3, wherein said first apparatus has at least one element selected from the group consisting of blowing elements and ultrasound elements.

Claim 5 (previously presented): The web-fed rotary printing press according to claim 1, wherein the web-fed rotary printing press is a web-fed rotary offset press.

Claim 6 (previously presented): The web-fed rotary printing press according to claim 1, wherein said first apparatus for separating the paper web from said press cylinder is configured or coated in an ink-repellent manner, at least in some sections.

Claim 7 (currently amended): A web-fed rotary printing press, comprising:

at least one press cylinder for printing a paper web conveyed under a controllable first tensile stress;

a dryer disposed downstream of said press cylinder, said dryer guiding the paper web along a path;

a first pull roll disposed downstream of said dryer to convey the paper web along the path under a second tensile stress, ~~said second tensile stress being equal to or less than 10% of said first tensile stress;~~

a second pull roll, which is disposed downstream of said press cylinder and upstream of said dryer, for releasing the paper web during a normal printing operation and for controllably setting a third tensile stress on the paper web between the at least one press cylinder and said second pull roll; and

an apparatus for driving said first pull roll, ~~said apparatus driving said first pull roll at a~~

controllable rotational speed which sets said second tensile stress being reduced as compared with a rotational speed of said second pull roll.

Claim 8 (currently amended). The web-fed rotary printing press according to claim 7, ~~wherein said apparatus for driving said first pull roll has a further apparatus for controlling the rotational speeds of said first and said second pull roll, said further apparatus controls the rotational speed of said first pull roll to a value below a value of the rotational speed of said second pull roll~~further comprising a controller coupled to said at least one press cylinder and to said apparatus, said controller setting said first tensile stress and said second tensile stress such that said second tensile stress is 10% or less than said first tensile stress.

Claim 9 (previously presented): The web-fed rotary printing press according to claim 7, wherein said second pull roll is configured or coated in an ink-repellent manner, at least in some sections.

Claim 10 (previously presented): The web-fed rotary printing press according to claim 7, wherein said first pull roll is a cooling roll.

Claim 11 (previously presented): The web-fed rotary printing press according to claim 7, wherein said first and second pull rolls are in each case constructed as a driven, rotating element.

Claim 12 (previously presented): The web-fed rotary printing press according to claim 7, wherein said first pull roll and said press cylinder are in each case constructed as a driven, rotating element.

Claim 13 (previously presented): The web-fed rotary printing press according to claim 7, wherein the web-fed rotary printing press is a web-fed rotary offset press.

Claim 14 (currently amended): A method for treating a printing material web in a printing material web in a web-fed rotary printing press, which further comprises:

feeding a paper web to a press cylinder under a first controllable tensile stress;
printing on the paper web using the press cylinder;
conveying the paper web along a drying path under a second controllable tensile stress of the paper web which is controllably set to be equal to or less than 10% of the first controllable tensile stress; and
separating the paper web from the press cylinder during a normal printing operation, the separating of each paper web from the press cylinder being decoupled from the conveying of the paper web along the path.

Claim 15 (currently amended): The method according to claim 14, which further comprises setting the second controllable tensile stress to a value suitable for conveying the paper web after separation from the press cylinder.

Claim 16 (previously presented): The method according to claim 14, which further comprises conveying the paper web along the drying path composed of path parts which follow one another and are oppositely curved.

Claim 17 (currently amended): The method according to claim 14, which further comprises controlling the second controllable tensile stress such that the drying path is composed of path parts which follow one another and are oppositely curved.

Claim 18 (currently amended): The method according to claim 14, which further comprises controlling the second controllable tensile stress such that the drying path is substantially meander-like.

Claim 19 (canceled)

Claim 20 (currently amended): The method according to claim 14, which further comprises controlling the second controllable tensile stress such that the drying path has a radii of curvature

following one another of in each case less than 200 mm.

Claim 21 (previously presented): The method according to claim 14, which further comprises increasing a temperature of the paper web along the drying path.

Claim 22 (currently amended): The method according to claim 14, which further comprises controlling the second controllable tensile stress such that the drying path is substantially sinusoidal.

Claim 23 (new): A web-fed rotary printing press, comprising:

- at least one press cylinder for printing a paper web conveyed under a controllable first tensile stress;

- a dryer disposed downstream of said press cylinder, said dryer guiding the paper web along a path;

- a first pull roll disposed downstream of said dryer to convey the paper web along the path under a controllable second tensile stress;

- a second pull roll disposed downstream of said press cylinder and upstream of said dryer for releasing the paper web during a normal printing operation and for controllably setting a third tensile stress on the paper web between the at least one press cylinder and said second pull roll;
- and

- an apparatus for driving said first pull roll at a controllable rotational speed to set said second tensile stress.

Claim 24 (new): The web-fed rotary printing press of claim 24, further comprising a controller coupled to said apparatus and to said second pull roll for controlling said second tensile stress and said third tensile stress such that said second tensile stress is 10% or less than said third tensile stress.

Claim 25 (new): The web-fed rotary printing press of claim 24, wherein said controller is also coupled to at least one press cylinder for controlling said first tensile stress.

Claim 26 (new): The web-fed rotary printing press of claim 25, wherein said controller sets said third tensile stress to be greater than said first tensile stress.